

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S12 2	13	(US-20040115106-\$ or US-20020090326-\$ or US-20030072700-\$).did. or (US-3876384-\$ or US-3895917-\$ or US-5570576-\$ or US-4971771-\$ or US-5591415-\$ or US-5980840-\$ or US-6139810-\$ or US-3996014-\$ or US-4018573-\$ or US-4374094-\$). did.	US-PGPUB; USPAT	OR	OFF	2007/05/08 15:10
S12 3	428175	hydrocarbon	US-PGPUB; USPAT	OR	ON	2007/05/08 15:10
S12 4	10	hydrocarbon and S122	US-PGPUB; USPAT	OR	ON	2007/05/08 15:10
S12 5	296	reactor.ti. and hydrocarbon near2 oxid\$5	US-PGPUB; USPAT	OR	ON	2007/05/09 13:22
S12 6	24	reactor.ti. and hydrocarbon near2 oxid\$5 with hydrogen with (monoxide dioxide)	US-PGPUB; USPAT	OR	ON	2007/05/09 13:36
S12 7	213	reactor.ti. with oxid\$5	US-PGPUB; USPAT	OR	ON	2007/05/09 13:40
S12 8	1	"4661179".PN.	USPAT; USOCR	OR	OFF	2007/05/09 13:39
S12 9	4	reactor.ti. and frame near2 bed	US-PGPUB; USPAT	OR	ON	2007/05/09 14:06
S13 0	1	reactor.ti. and frame near2 impermeable	US-PGPUB; USPAT	OR	ON	2007/05/09 14:06
S13 1	385	(422/241).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/09 16:56
S13 2	395	permeable adj liner	US-PGPUB; USPAT	OR	ON	2007/05/09 16:13
S13 3	2	permeable adj liner and S131	US-PGPUB; USPAT	OR	ON	2007/05/09 16:14
S13 4	0	impermeable adj liner and S131	US-PGPUB; USPAT	OR	ON	2007/05/09 16:14
S13 5	9	metal\$4 near2 liner and S131	US-PGPUB; USPAT	OR	ON	2007/05/09 16:15
S13 6	0	metal\$4 near2 liner with bed and S131	US-PGPUB; USPAT	OR	ON	2007/05/09 16:15
S13 7	1	metal\$4 with liner with bed and S131	US-PGPUB; USPAT	OR	ON	2007/05/09 16:20
S13 8	1	liner with insulation with prevent\$4 and S131	US-PGPUB; USPAT	OR	ON	2007/05/09 16:57
S13 9	5	liner with insulation and S131	US-PGPUB; USPAT	OR	ON	2007/05/09 16:55

## EAST Search History

S14 0	10	lin\$4 with insulation and S131 not S139	US-PGPUB; USPAT	OR	ON	2007/05/09 16:53
S14 1	4	liner with bed and S131	US-PGPUB; USPAT	OR	ON	2007/05/09 16:55
S14 2	29253	(422/129-242).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/10 14:06
S14 3	15	lin\$3 with insulation with prevent\$4 and S142	US-PGPUB; USPAT	OR	ON	2007/05/09 16:59
S14 4	29253	lin\$3 with prevent\$4 near2 lossand S142	US-PGPUB; USPAT	OR	ON	2007/05/09 16:59
S14 5	10	lin\$3 with prevent\$4 near2 loss and S142	US-PGPUB; USPAT	OR	ON	2007/05/10 08:43
S14 6	0	lin\$3 with prevent\$4 near2 by adj pass and S142	US-PGPUB; USPAT	OR	ON	2007/05/09 17:00
S14 7	29268	(422/129-242).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/10 08:43
S14 8	222	lin\$3 with insulation and S147	US-PGPUB; USPAT	OR	ON	2007/05/10 08:55
S14 9	5	S147 and impermeable near2 (lining liner)	US-PGPUB; USPAT	OR	ON	2007/05/10 09:03
S15 0	0	S147 and bed with impermeable near2 (lining liner)	US-PGPUB; USPAT	OR	ON	2007/05/10 09:03
S15 1	12	S147 and bed near2 (lining liner)	US-PGPUB; USPAT	OR	ON	2007/05/10 09:06
S15 2	465	S147 and impermeable	US-PGPUB; USPAT	OR	ON	2007/05/10 09:07
S15 3	165	S147 and impermeable.clm.	US-PGPUB; USPAT	OR	ON	2007/05/10 09:12
S15 4	113	S147 and impermeable same metal\$3	US-PGPUB; USPAT	OR	ON	2007/05/10 09:12
S15 5	27	S147 and impermeable with wall same metal\$3	US-PGPUB; USPAT	OR	ON	2007/05/10 09:19
S15 6	52	S147 and sidewall with metal\$3	US-PGPUB; USPAT	OR	ON	2007/05/10 09:19
S15 7	4	S147 and bed with sidewall with metal\$3	US-PGPUB; USPAT	OR	ON	2007/05/10 10:03
S15 8	52	S147 and sidewall with metal\$3	US-PGPUB; USPAT	OR	ON	2007/05/10 10:22
S15 9	19	("2478194"   "3259453"   "3495950"   "3533753"   "3711259"   "3755204"   "3785781"   "3798006"   "3799796").PN. OR ("3895917"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/10 10:25
S16 0	29268	(422/129-242).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/10 14:06

## EAST Search History

S16 1	29268	S160	US-PGPUB; USPAT	OR	OFF	2007/05/10 14:06
S16 2	985	S160 and (monolith\$4 cataly\$3) with coat\$4 with metal\$3	US-PGPUB; USPAT	OR	ON	2007/05/10 14:07
S16 3	264	S160 and (monolith\$4 cataly\$3) near2 coat\$4 near2 metal\$3	US-PGPUB; USPAT	OR	ON	2007/05/10 14:26
S16 4	32	S160 and (monolith\$4 cataly\$3) near2 wall near2 metal\$3	US-PGPUB; USPAT	OR	ON	2007/05/10 14:33
S16 5	1015	S160 and coat\$3 near2 metal\$3	US-PGPUB; USPAT	OR	ON	2007/05/10 14:34
S16 6	863	S160 and (layer) near2 metal\$3	US-PGPUB; USPAT	OR	ON	2007/05/10 14:34
S16 7	311	S160 and (layer) near2 metal\$3 with (cataly\$4 monolith\$3)	US-PGPUB; USPAT	OR	ON	2007/05/10 14:36
S16 8	0	S160 and metal\$3 near2 between near2 (cataly\$4 monolith\$3) near2 insulation	US-PGPUB; USPAT	OR	ON	2007/05/10 14:37
S16 9	0	S160 and impermeable near2 between near2 (cataly\$4 monolith\$3) near2 insulation	US-PGPUB; USPAT	OR	ON	2007/05/10 14:37
S17 0	11	S160 and between near2 (cataly\$4 monolith\$3) near2 insulation	US-PGPUB; USPAT	OR	ON	2007/05/10 16:31

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2216	temperature with (oxidation oxidiz\$4) with hydrocarbon	US-PGPUB; USPAT	OR	ON	2007/05/10 16:32
L2	1	temperature near2 partial\$4 near2 (oxidation oxidiz\$4) near2 hydrocarbon	US-PGPUB; USPAT	OR	ON	2007/05/10 16:32
L3	97	temperature near2 (oxidation oxidiz\$4) near2 hydrocarbon	US-PGPUB; USPAT	OR	ON	2007/05/10 16:41
L4	134	(oxidation oxidiz\$4) near2 hydrocarbon with (platinum rhodium ruthenium nickel)	US-PGPUB; USPAT	OR	ON	2007/05/10 16:41
L10	29268	(422/129-242).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/10 17:06
L11	29268	L10	US-PGPUB; USPAT	OR	ON	2007/05/10 17:06
L12	431	L10 and (catal\$4) with grid	US-PGPUB; USPAT	OR	ON	2007/05/10 17:08
L13	115	L10 and (catal\$4) with grid near2 support\$3	US-PGPUB; USPAT	OR	ON	2007/05/10 17:09
L14	1	("4160010").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/10 17:15